



TFW  
26/16

Attorney Docket No.: PATENT  
SONY-30000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: ) Group Art Unit:  
Ikuko Tsukagoshi et al. ) Examiner:  
Serial No.: 10/014,732 ) **TRANSMITTAL LETTER**  
Filed: December 11, 2001 ) 162 North Wolfe Road  
Sunnyvale, California 94086  
For: **SYSTEM AND METHOD FOR** ) (408) 530-9700  
**TIMESHIFTING THE** ) Customer Number 28960  
**ENCODING/DECODING OF**  
**AUDIO/VISUAL SIGNALS IN**  
**REAL-TIME**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

A Response to the Notice Regarding the Power of Attorney, including copies of assignment recordation, Power of Attorney and Revocation of Prior Powers of Attorney filed August 31, 2005 and a Statement Under 37 CFR 3.73(b) for filing with the U.S. Patent and Trademark Office.

The Commissioner is authorized to charge any additional fee or credit any overpayment to our Deposit Account No. 08-1275. **An originally executed duplicate of this transmittal is enclosed for this purpose.**

Respectfully submitted,  
HAVERSTOCK & OWENS LLP

Dated: December 20, 2005

By: Jonathan O. Owens  
Jonathan O. Owens  
Reg. No.: 37,902

**CERTIFICATE OF MAILING (37 CFR 1.8(a))**

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450

HAVERSTOCK & OWENS LLP.

Date: 12-20-05 By: [Signature]

Attorneys for Applicant



Attorney Docket No.: PATENT  
SONY-30000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Ikuo Tsukagoshi et al.

Serial No.: 10/014,732

Filed: December 11, 2001

For: **SYSTEM AND METHOD FOR  
TIMESHIFTING THE  
ENCODING/DECODING OF  
AUDIO/VISUAL SIGNALS IN  
REAL-TIME**

Group Art Unit:

**Examiner:**

**RESPONSE TO THE NOTICE  
REGARDING POWER OF ATTORNEY**

162 North Wolfe Road  
Sunnyvale, California 94086  
(408) 530-9700

Customer Number 28960

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In Response to the Notice Regarding the Power of Attorney (copy attached), applicants enclose a copy of the assignment recordation, Power of Attorney and Revocation of Prior Powers of Attorney filed August 31, 2005 and a Statement Under 37 CFR 3.73(b) for filing with the U.S. Patent and Trademark Office. Applicant's respectfully request that Haverstock & Owens LLP be listed as the new attorney of record by proof of the enclosed documents.

Respectfully submitted,  
HAVERSTOCK & OWENS LLP

Dated: December 20, 2005

By: Jonathan O. Owens  
Jonathan O. Owens  
Reg. No.: 37,902

Attorneys for Applicant

**CERTIFICATE OF MAILING (37 CFR§ 1.8(a))**

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450

HAVERSTOCK & OWENS LLP.  
Date: 12-20-05 By: [Signature]



PATENT

Attorney Docket No. SONY-30000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Ikuro Tsukagoshi et al.

Serial No.: 10/014,732

Filing Date: December 11, 2001

For: **SYSTEM AND METHOD FOR  
TIMESHIFTING THE  
ENCODING/DECODING OF  
AUDIO/VISUAL SIGNALS IN  
REAL-TIME**

POWER OF ATTORNEY AND  
REVOCATION OF PRIOR  
POWERS OF ATTORNEY

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Sony Corporation and Sony Electronic Inc. owners of record of this application, hereby revokes all prior powers of attorney which may have been filed with this patent application, and appoints the members of the firm of HAVERSTOCK & OWENS LLP, a firm including Jonathan O. Owens (Reg. No. 37,902) and Thomas B. Haverstock (Reg. No. 32,571), as its attorneys with full power of substitution to transact all business in the Patent and Trademark Office in connection therewith.

Sony Corporation and Sony Electronics, Inc. also hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connect therewith:

Peter C. Toto	Reg. No. 36,293	Jaime A. Siegel	Reg. No. 39,027
Harold T. Fujii	Reg. No. 38,458	Frederick J. Zustak	Reg. No. 36,728
Mark Gorman	Reg. No. 43,641	Milton M. Frazier	Reg. No. 44,687
Hans R. Mahr	Reg. No. 46,138		

Please direct all correspondence regarding this patent application to:

Jonathan O. Owens  
HAVERSTOCK & OWENS LLP  
162 North Wolfe Road  
Sunnyvale, California 94086  
Customer No.: 28960  
Telephone: (408) 530-9700  
Facsimile: (408) 530-9797

Dated: 7/26/2005

Dated: 7/26/2005

Sony Corporation

By:

Name: Harold T. Fujii

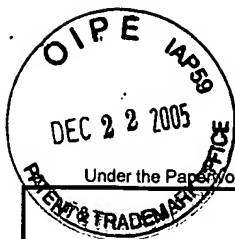
Title: Vice President-IPD

Sony Electronics Inc.

By:

Name: Harold T. Fujii

Title: Vice President-IPD



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/96 (11-05)  
Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Ikuo Tsukagoshi et al.

Application No./Patent No.: 10/014,732 Filed/Issue Date: December 11, 2001

Entitled: System and Method for Timeshifting the Encoding/Decoding of Audio/Visual Signals in Real-Time

Sony Corporation & Sony Electronics Inc., a Corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest  
(The extent (by percentage) of its ownership interest is \_\_\_\_\_ %)

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 016579, Frame 0919, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Jonathan O. Owens  
Signature

December 20, 2005  
Date

Jonathan O. Owens  
Printed or Typed Name

(408) 530-9700  
Telephone Number

Attorney for Applicants, Reg. No. 37,902  
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



50P4533.01

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

SEPTEMBER 26, 2005

PTAS



\*103007688A\*

SONY ELECTRONICS INC.  
RONALD C. CARD  
16450 WEST BERNARDO DRIVE  
INTELLECTUAL PROPERTY DEPT., MZ 7190  
SAN DIEGO, CA 92127-1898

RECEIVED

OCT 12 2005

IPD SAN DIEGO

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES DIVISION, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 06/27/2002

REEL/FRAME: 016579/0919

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

TSUKAGOSHI, IKUO

DOC DATE: 05/07/2002

ASSIGNOR:

ZIMMERMANN, KLAUS

DOC DATE: 05/17/2002

ASSIGNEE:

SONY CORPORATION  
7-35 KITASHINAGAWA 6-CHOME  
SHINAGAWA-KU, TOKYO, JAPAN

ASSIGNEE:

SONY ELECTRONICS INC.  
1 SONY DRIVE  
PARK RIDGE, NEW JERSEY 07656

016579/0919 PAGE 2

SERIAL NUMBER: 10014732

FILING DATE: 12/11/2001

PATENT NUMBER:

ISSUE DATE:

TITLE: SYSTEM AND METHOD FOR TIMESHIFTING THE ENCODING/DECODING OF AUDIO/  
VISUAL SIGNALS IN REAL-TIME

SHARON BROOKS, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



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09-20-2005

Docket No. 50P4533.01

MRD

6-27-2002

103007688  
ASSIGNMENT RECORDATION COVER SHEET

To the Commissioner for Patents. Please record the attached original documents or copies thereof.

1. Name of conveying party(ies):  
Ikuro Tsukagoshi; Klaus Zimmermann

Additional names attached? ☒ NO ☐ YES

2. Name and address of receiving party(ies):  

Sony Corporation	Sony Electronics Inc.
7-35 Kitashinagawa 6-Chome	1 Sony Drive
Shinagawa-Ku	Park Ridge, New Jersey
Tokyo, Japan	07656

Additional names and addresses attached? ☒ NO ☐ YES

3. Nature of Conveyance:  
☒ Assignment ☐ Security Agreement ☐ Merger  
☐ Change of Name ☐ Other \_\_\_\_\_

Execution Date: 5/7/02; 5/17/02

4. Application number(s) or patent number(s): 10/014,732  
 If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent application numbers:

B. Patent numbers:

Additional numbers attached? ☒ NO ☐ YES

5. Name and address of party to whom correspondence concerning document should be mailed:

Sony Electronics Inc.  
 Intellectual Property Dept., MZ 7190  
 16450 West Bernardo Drive  
 San Diego, CA 92127-1898  
 (858) 942-2897 FAX # (858) 942-7120

09/22/2005 DBYRNE 00000110 193195 10014732

01 FC:0021

40.00 DA

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6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

☐ Enclosed

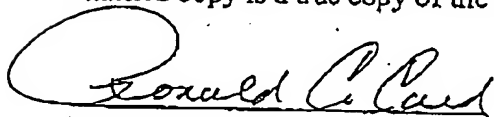
☒ Authorized to charge to deposit account.

☒ Charge any additional fees required to deposit account.

8. Deposit Account Number: 19-3195

9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

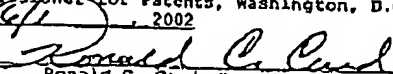


Ronald C. Card

  
Signature

6/21/02  
Date

Total number of pages including cover sheet: 4

<p align="center"><b>CERTIFICATE OF MAILING</b></p> <p>I hereby certify that this document and any document referenced herein is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on <u>6/21</u>, 2002</p> <p>By:  Ronald C. Card, Reg. No. 44,587</p>
---



Docket No. 50P4533.01

## ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in System and Method for Timeshifting the Encoding/Decoding of Audio/Visual Signals in Real-time for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, Sony Corporation, a Japanese corporation with offices at 7-35 Kitashinagawa 6-Chome, Shinagawa-Ku, Tokyo, Japan and Sony Electronics Inc. a Delaware corporation with offices at 1 Sony Drive, Park Ridge, New Jersey 07656 (hereinafter referenced as ASSIGNEES) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEES, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEES, as the assignees of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEES or its designee, as ASSIGNEES or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEES thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEES will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

And I hereby authorize and request my attorney(s) of record in this application to insert the execution date, serial number and filing date of this application in the spaces that follow: Serial Number: 10/014,732, Filing Date: December 11, 2001.

This assignment executed on the dates indicated below..

<u>Ikuo Tsukagoshi</u>		Execution date of U.S. Patent Application	
Name of first inventor			
<u>718 Old San Francisco Road, Sunnyvale, CA 94086</u>		<u>USA</u> <u>JAPAN</u>	
Residence of first or sole inventor			
<u>[Signature]</u>		Date of this assignment	
Signature of first or sole inventor			
		Current Address:	
		<u>4-20-29-102 Tamagawa</u>	
		<u>Setagaya-Ku</u>	
		<u>Tokyo 158-0094 JAPAN</u>	
STATE OF _____			
COUNTY OF _____ ss.			

On this \_\_\_\_\_ day of \_\_\_\_\_, in the year of \_\_\_\_\_, before me, the undersigned notary public, personally appeared the above-named assignor, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged execution of this instrument.

Notary Public \_\_\_\_\_

ASSIGN-NOTARY-SEL 02/02

Assignment  
Page 2

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Klaus ZimmermanName of second inventor KIRCHSTR. 134, 73779 DEIZISAU, GERMANY Execution date of U.S. Patent Application1700 N. First Street #243, San Jose, CA 95112 LA USA LA GERMANY

Residence of second inventor

Signature of second inventor

MAY 17, 2002

Date of this assignment

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, in the year of \_\_\_\_\_, before me, the undersigned notary public, personally appeared the above-named assignors, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged execution of this instrument.

Notary Public \_\_\_\_\_

ASSIGN-NOTARY-SEL 02/02